

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050225\
 Data File : PD088387.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 May 2025 10:23
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/05/2025
 Supervised By :mohammad ahmed 05/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 22:51:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.881	45011945	319.8E6	22.535	21.873
28)	SA Decachlor...	9.075	8.075	72996015	386.5E6	22.066	20.916
Target Compounds							
2)	A alpha-BHC	3.999	3.393	44662791	259.5E6	10.358	11.351
3)	MA gamma-BHC...	4.331	3.730	45158537	244.0E6	10.784	11.330
6)	B beta-BHC	4.516	4.026	19061843	108.3E6	11.742	11.705
12)	B 4,4'-DDE	6.197	5.375	731066	2013687	0.222m	0.102m#
14)	MA Endrin	6.575	5.790	166.2E6	896.2E6	55.726	49.238
16)	A 4,4'-DDD	6.706	5.931	16761983	112.9E6	6.665	6.890
17)	MA 4,4'-DDT	7.022	6.186	279.7E6	1498.3E6	100.717	88.050
18)	B Endrin al...	6.917	6.259	1495806	12368557	0.648	0.930 #
20)	A Methoxychlor	7.495	6.756	351.3E6	1612.4E6	234.302	176.781
21)	B Endrin ke...	7.630	6.993	5738500	44464117	1.859m	2.377 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

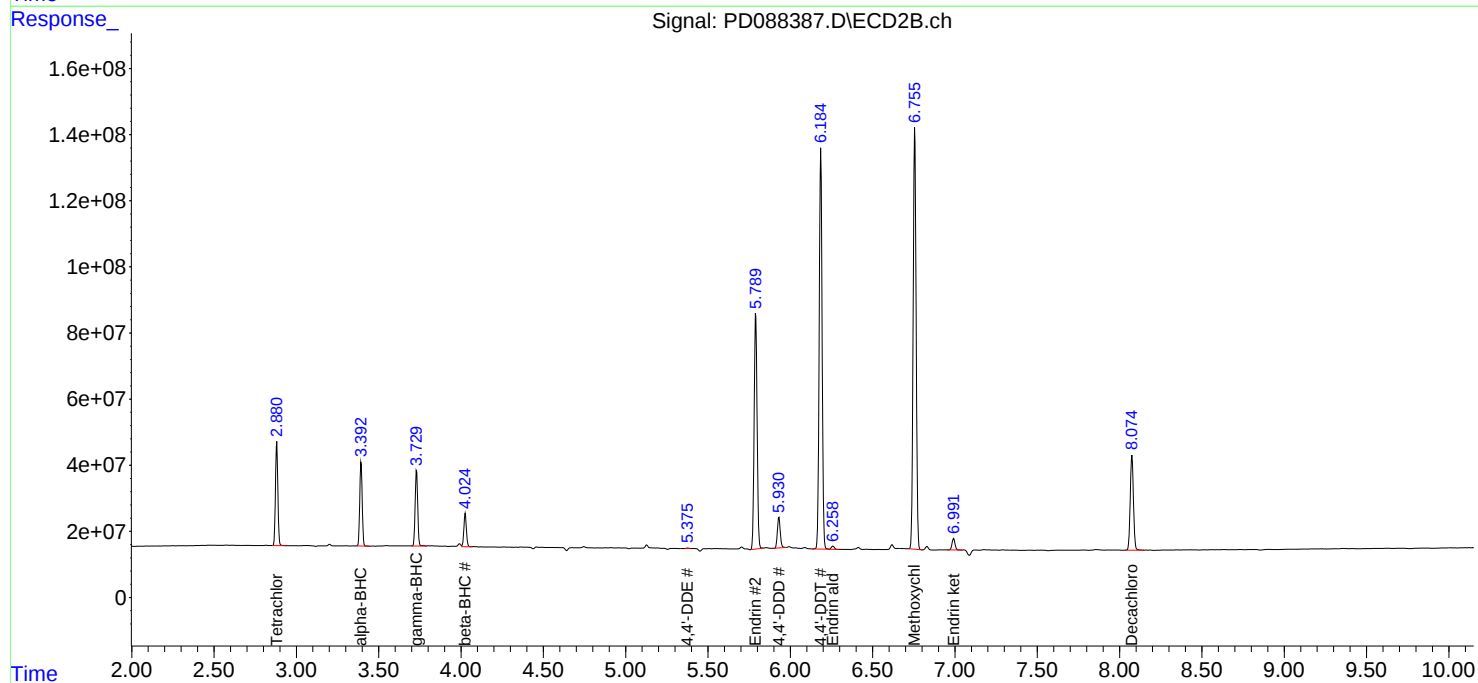
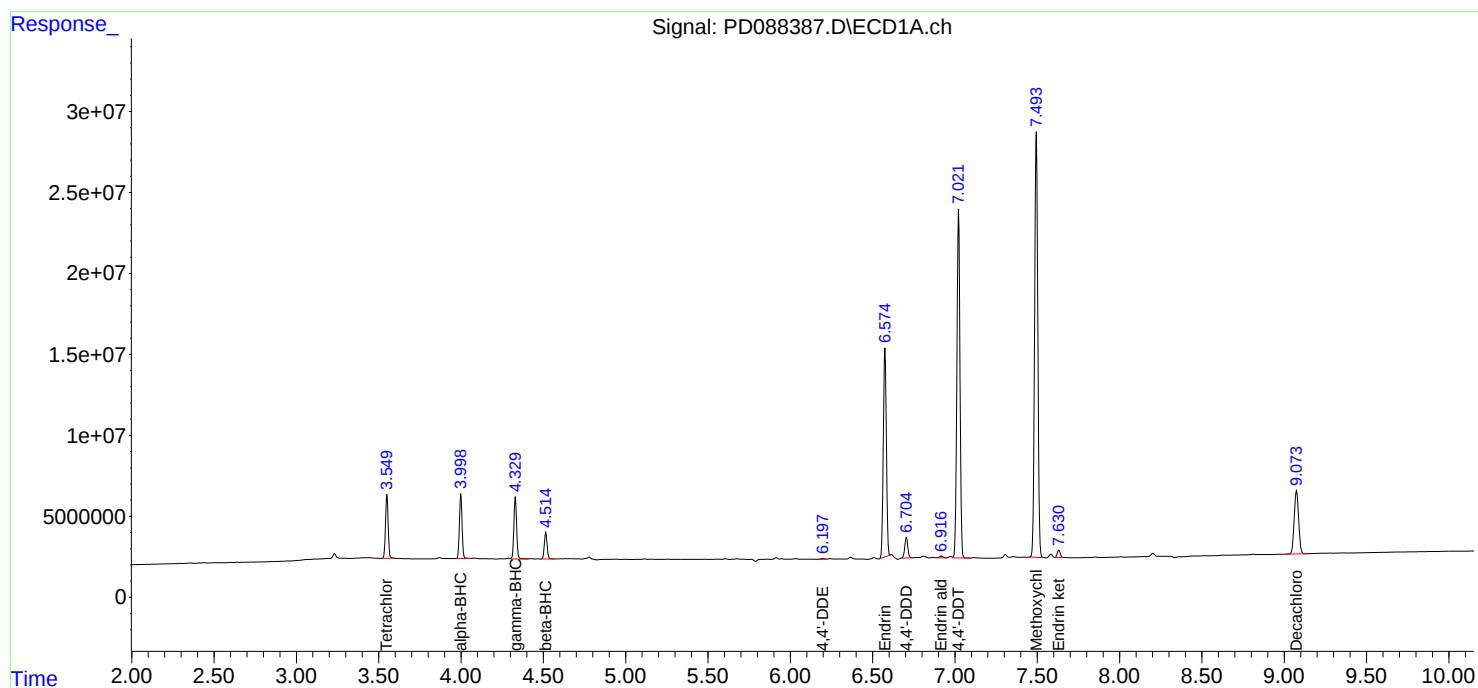
Instrument :
ECD_D
ClientSampleId :
PEM

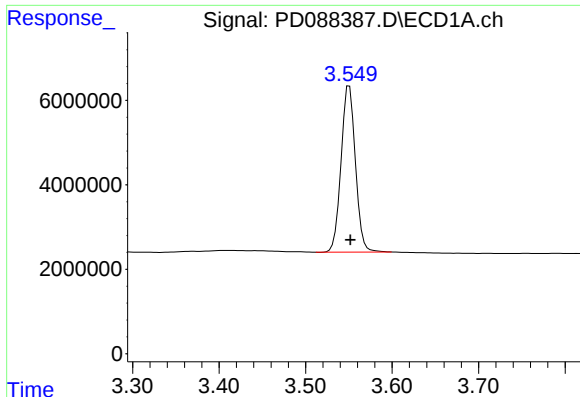
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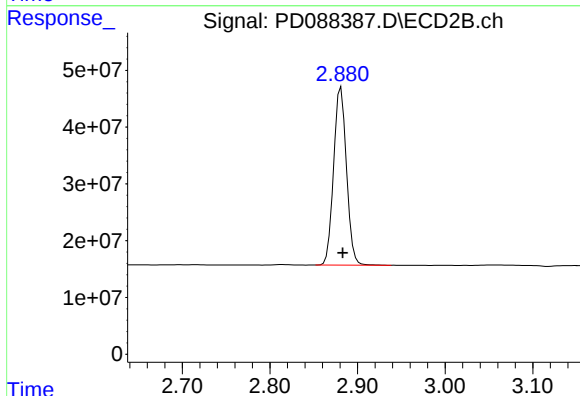
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 45011945
Conc: 22.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

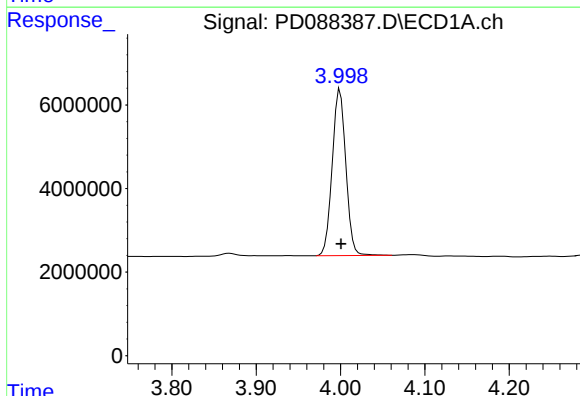
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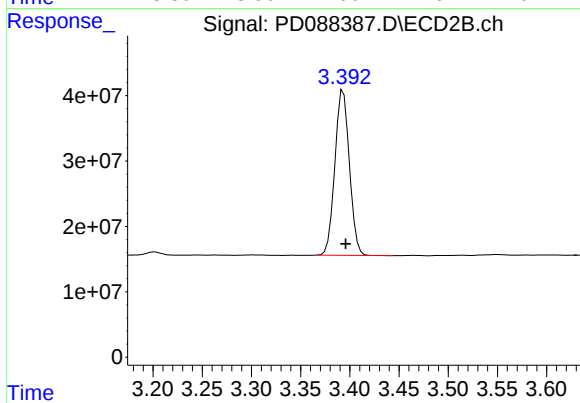
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 319826033
Conc: 21.87 ng/ml



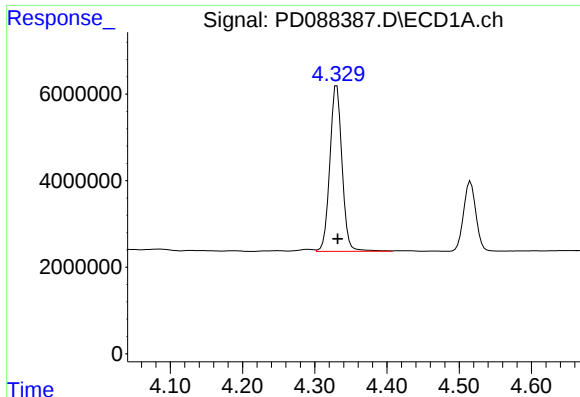
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.001 min
Response: 44662791
Conc: 10.36 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: -0.003 min
Response: 259512082
Conc: 11.35 ng/ml



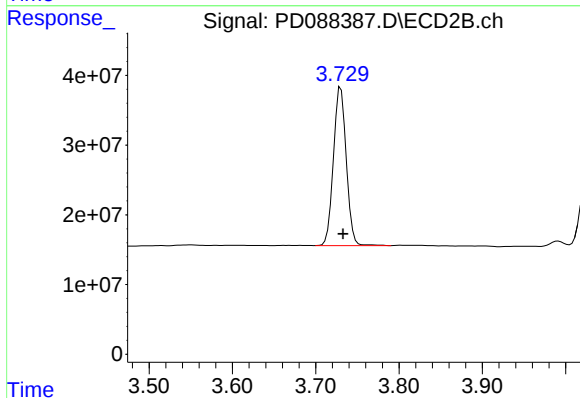
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 45158537
Conc: 10.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

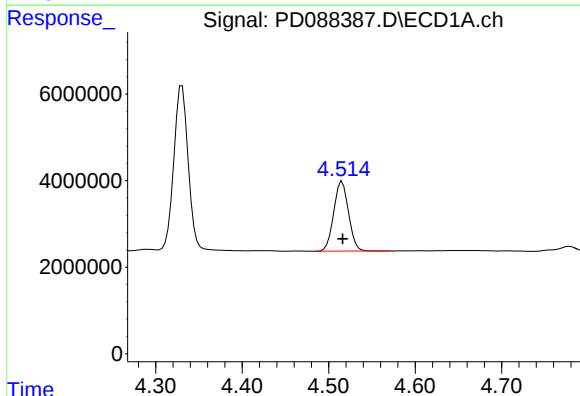
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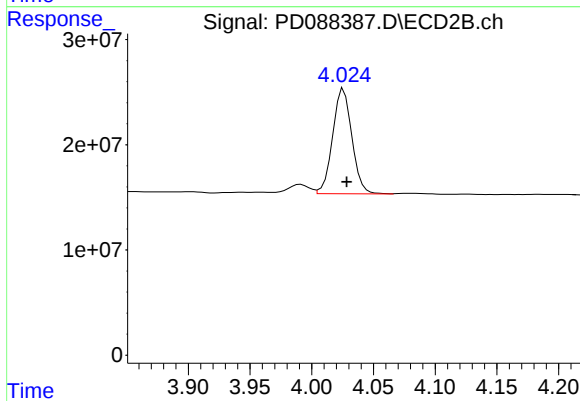
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.003 min
Response: 244038715
Conc: 11.33 ng/ml



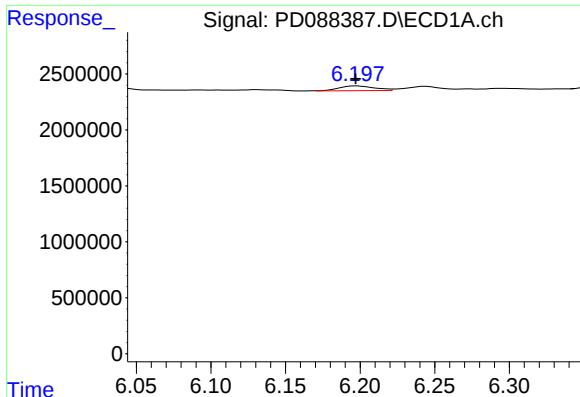
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 19061843
Conc: 11.74 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.002 min
Response: 108315498
Conc: 11.70 ng/ml



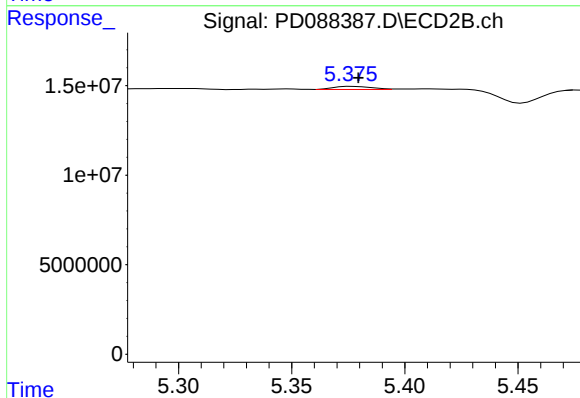
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 731066
Conc: 0.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

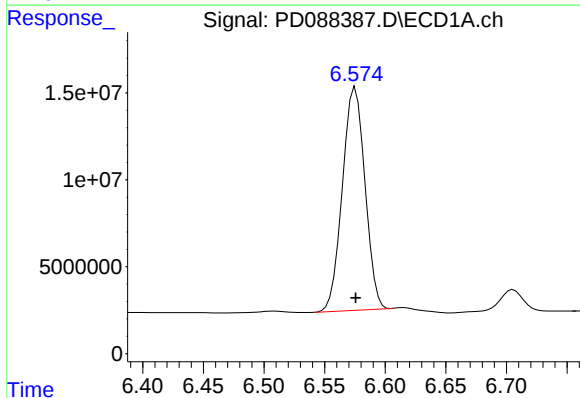
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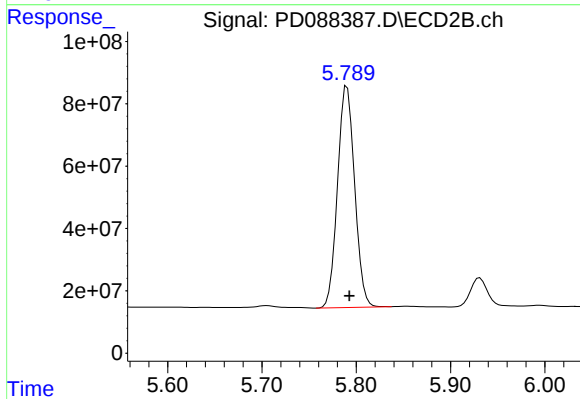
#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.005 min
Response: 2013687
Conc: 0.10 ng/ml m



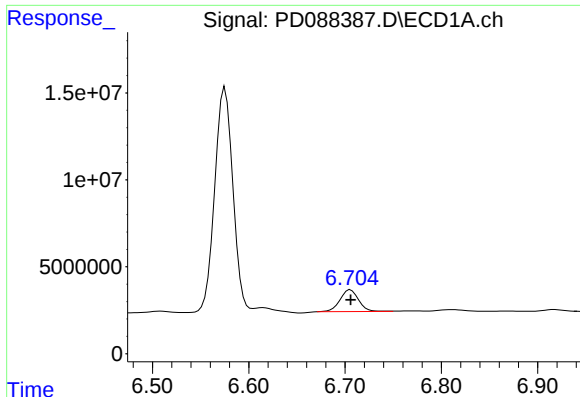
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 166205740
Conc: 55.73 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 896249470
Conc: 49.24 ng/ml



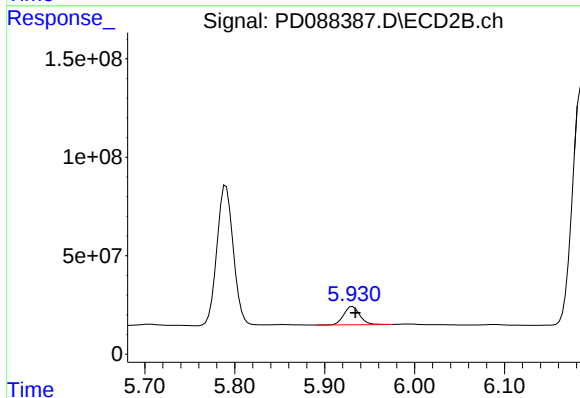
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 16761983
Conc: 6.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

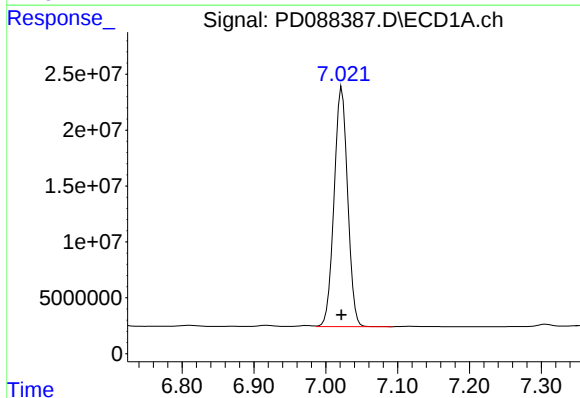
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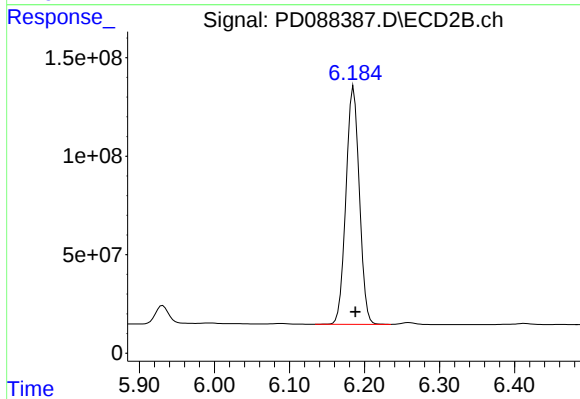
#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 112902721
Conc: 6.89 ng/ml



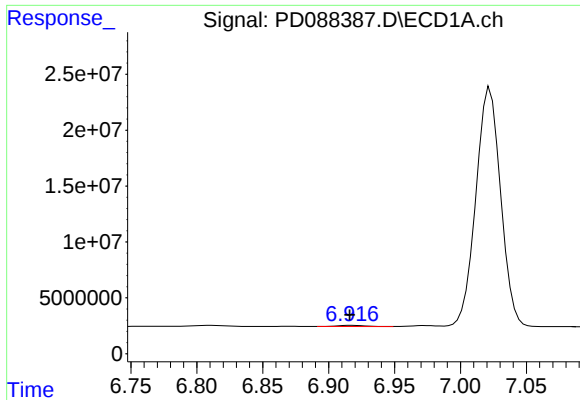
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 279746104
Conc: 100.72 ng/ml



#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 1498295141
Conc: 88.05 ng/ml



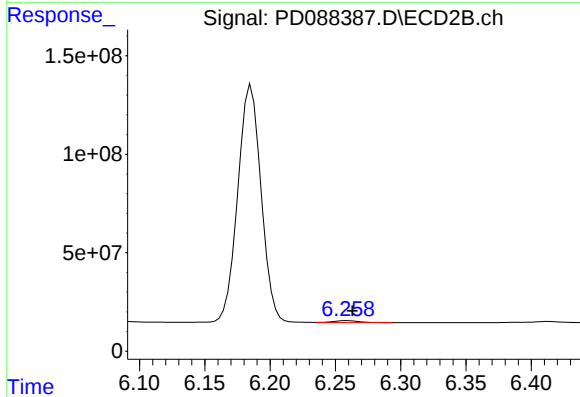
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.001 min
Response: 1495806
Conc: 0.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

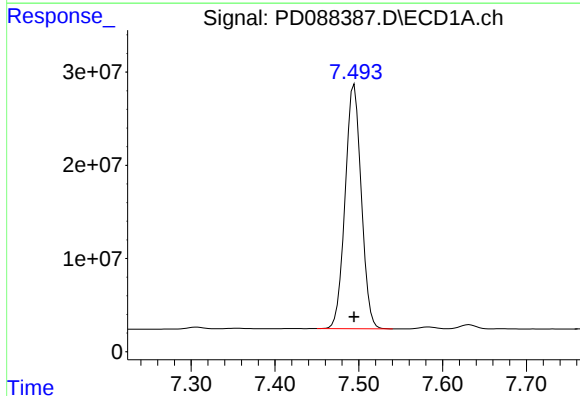
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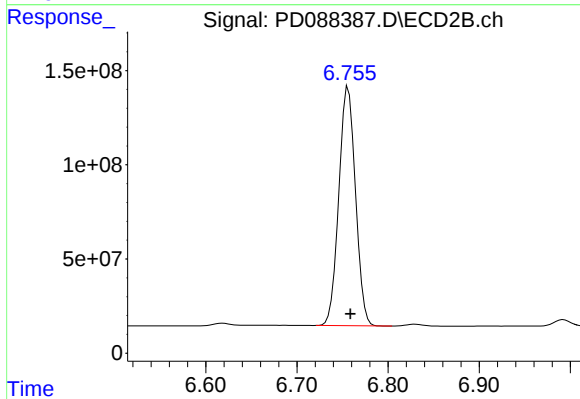
#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 12368557
Conc: 0.93 ng/ml



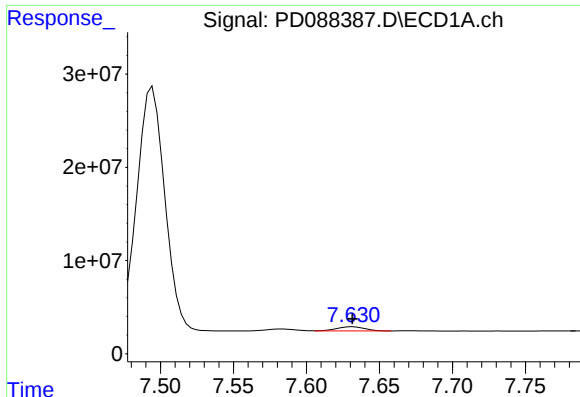
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 351345684
Conc: 234.30 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 1612430247
Conc: 176.78 ng/ml



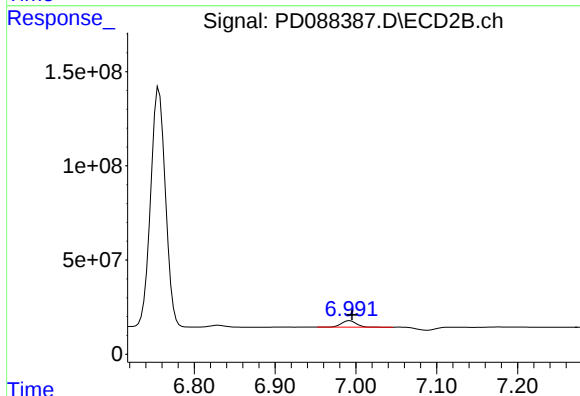
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 5738500
Conc: 1.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

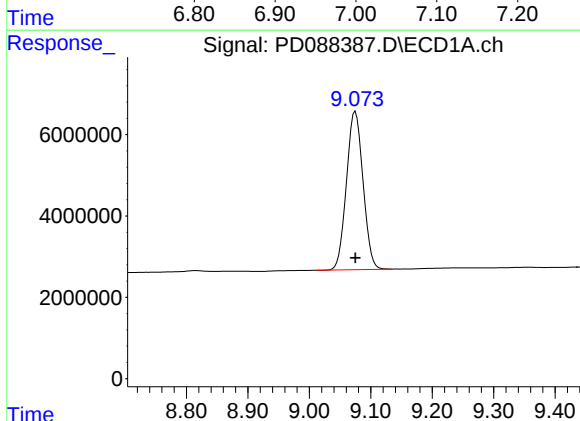
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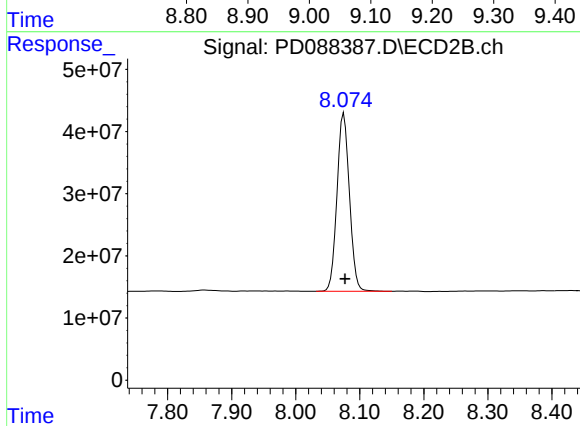
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.003 min
Response: 44464117
Conc: 2.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 72996015
Conc: 22.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 386518949
Conc: 20.92 ng/ml